MITSUBISHI ELECTRIC

Refrigerator-Freezers

SERIES MODEL

MR-508E, MR-508EL,

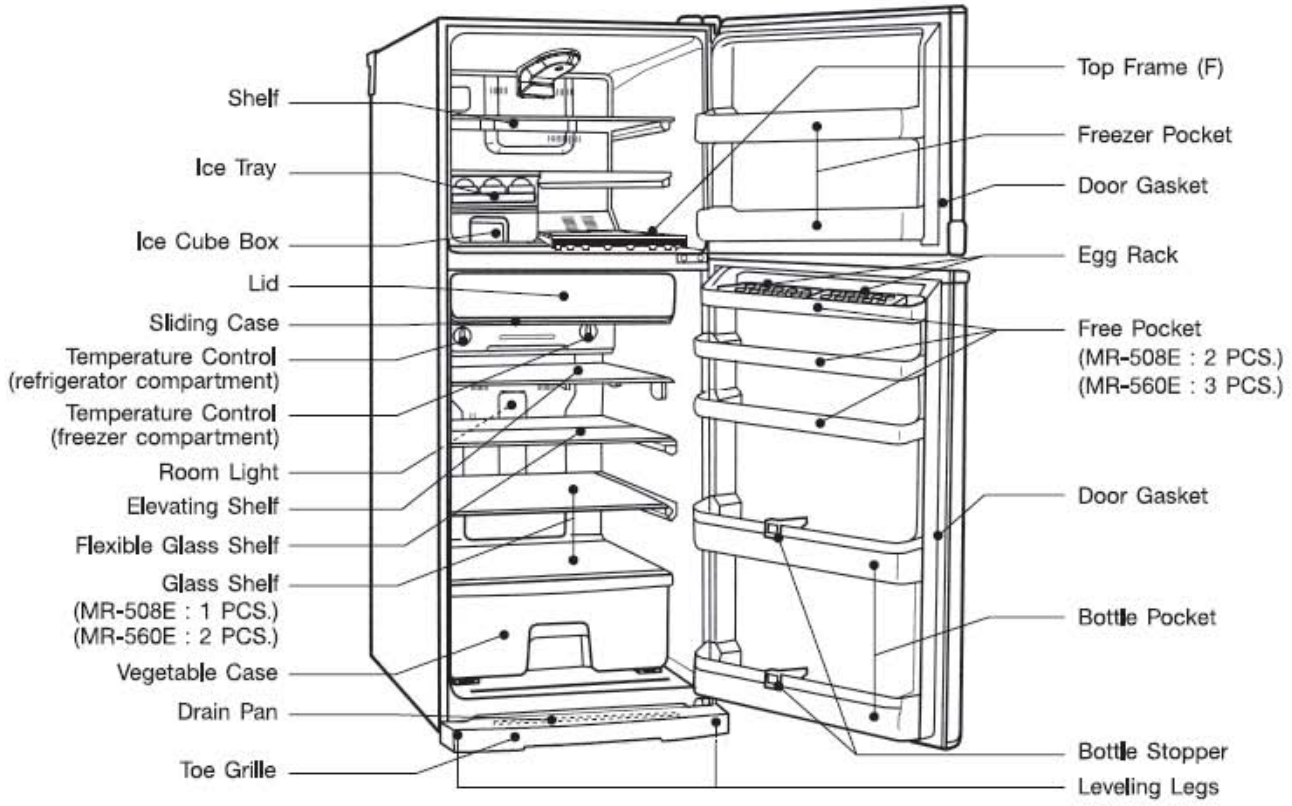
MR-560E, MR-560EL

OPERATING INSTRUCTIONS

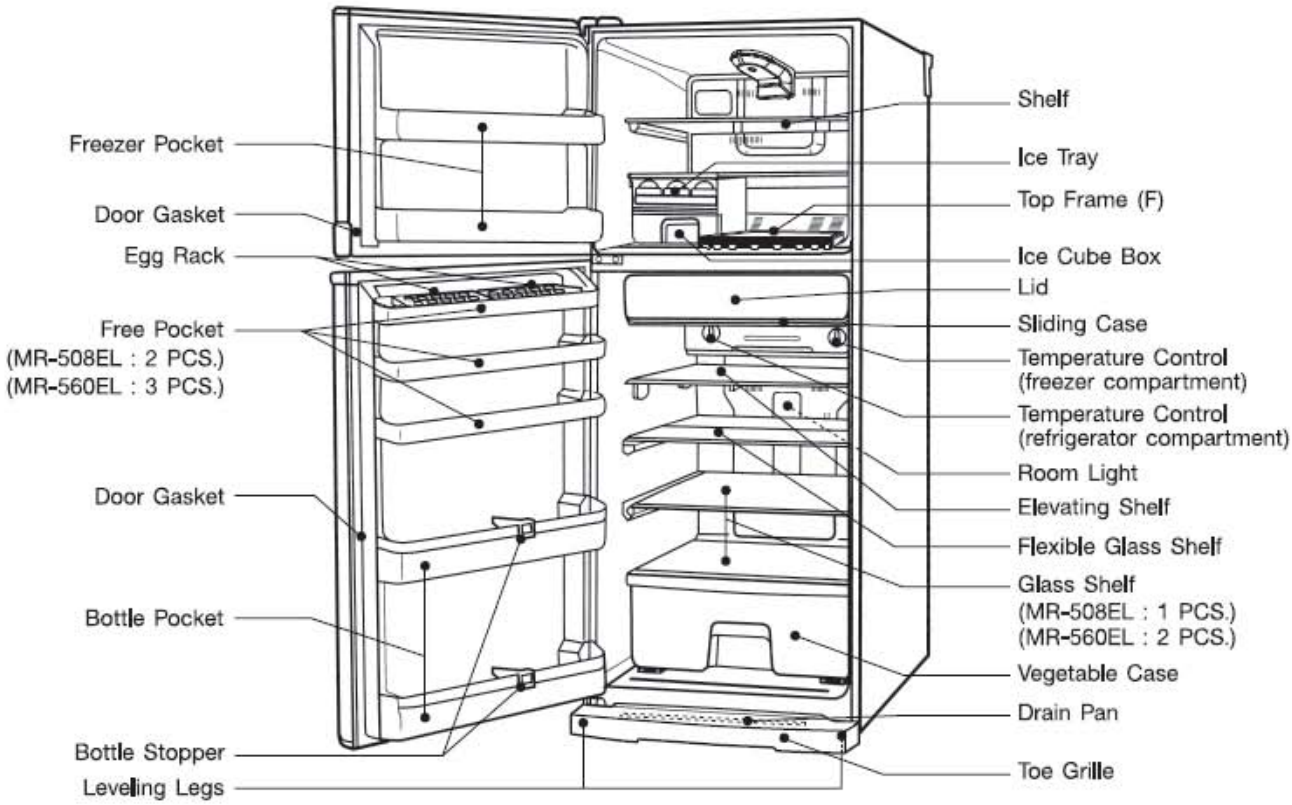
Cleaning Instruction - Important!

It is strongly recommended to use only lukewarm water and a soft cloth when cleaning. Cleaning agents can cause cracking to the plastic components of your refrigerator.

1. Components



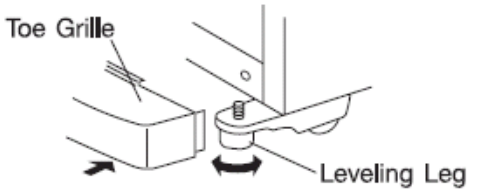
This illustration shows series models MR-508E, MR-560E



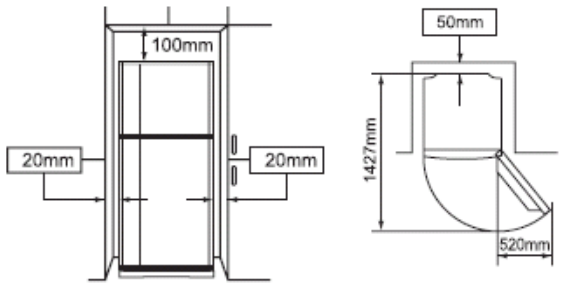
This illustration shows series models MR-508EL, MR-560EL

2. Installation

- Install on a completely flat and rigid surface.
- Using the two front adjustable feet, ensure that the refrigerator is positioned firmly and level on the floor. Now open the doors approximately half way, and extend the front adjustable feet equally until the doors close by themselves.



- To ensure adequate ventilation for your refrigerator, spaces of 20mm on both sides, 50mm at the rear, and 100mm above the refrigerator are recommended. Insufficient spacing will decrease cooling efficiency, resulting in unnecessary energy consumption.



- Choose a location which is not exposed to sunlight, is relatively free from dust, heat and humidity, and offers good ventilation in order to guarantee that heat radiation will not be impaired.

How to remove the energy label

- Remove the energy label carefully. A glue residue may remain, particularly if the label has been in place for a long period of time.
- Apply either Eucalyptus or Tea Tree oil directly on any residue.
- Do not allow the oil to run or drip onto plastic parts as it may cause the plastic to degrade and potentially crack over time.
- Allow the oil to sit for approximately 1-2 minutes, or until the glue residue has softened.
- Wipe off with a damp cloth.
- If any residue remains, repeat the above process.
- Rinse with clear water.
- Dry thoroughly.

During Transport

- Before transporting, wipe dry the evaporating pan, which is located at the rear. Carry the refrigerator holding the handles located at the rear and bottom.



3. Electrical Connections

Important: For personal safety, this appliance must be properly grounded.

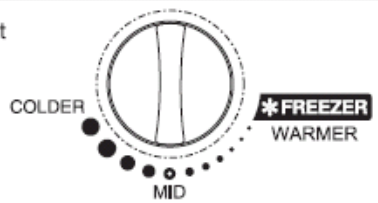
- The refrigerator should always be plugged into its own individual electrical outlet.
  This is recommended for best performance and also in order to prevent the overloading of household wiring circuits, which may cause a fire hazard. Extension cords are not recommended.
  Make sure that the outlet provides the correct voltage.
- If your refrigerator has a grounding plug, use it correctly. The 3-point plug must be inserted into a mating 3-point grounded receptacle. If the installation location does not have a proper 3-point grounding wall receptacle, the proper type must be installed. The ground point should never be cut or removed.
- If your refrigerator has an ungrounding plug, connect the ground wire to the ground connection screw provided at the lower rear side of the refrigerator.

4. Operation

1. Temperature Control

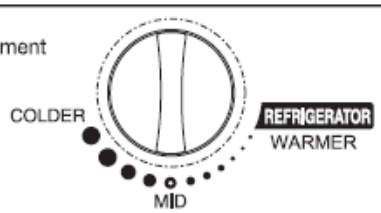
- Both the freezer compartment and the refrigerator compartment have a temperature control.
- "MID" is recommended for normal usage.
  Turn the dial to "FREEZER COLDER" when storing a large quantity of frozen foods, ice cream etc., in the freezer compartment.
  Turn the dial to "FREEZER WARMER" when only using the freezer compartment to make ice.

Temperature Control of the Freezer Compartment



- "MID" is recommended for normal usage.
  If you would like items in the refrigerator compartment to be colder, turn the dial to "REFRIGERATOR COLDER".
  If the items are too cold or freeze in the refrigerator compartment, turn the dial to "REFRIGERATOR WARMER".

Temperature Control of the Refrigerator Compartment



2. Automatic Defrosting

The defrosting heater provides automatic defrosting in the refrigerator according to the accumulated time calculated by the microcomputer,
so there is no need to defrost it manually. Water produced during defrosting passes through the drainage hose at the rear and collects in the drain pan in the lower rear part of the refrigerator. Then, it automatically evaporates with heat from the refrigerant pipe, which is utilized as a radiator.

3. Ice-making

- Pour water up to the water line in each of the ice tray sections. Insert the tray completely into the ice tray holder. If too much water is added, the ice cubes cannot be easily separated from the ice tray.
- Once the ice cubes have been made, turn the lever until they fall into the ice cube storage box.
- If you attempt to make ice directly in the ice cube storage box, the box will break.



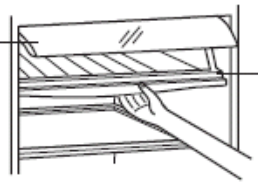
4. Sliding Case

- This sliding case is cooled to a low temperature in order to preserve the freshness of foods stored for long periods.

Lid

Sliding Case

Open by pulling the case out.



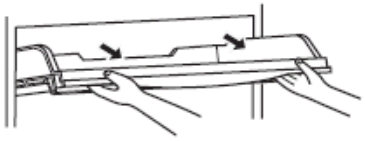
CAUTION:
Before closing the refrigerator compartment door, make sure that the sliding case is pushed all the way in (and the lid is closed correctly).

- Remove the lid and sliding case as shown in the illustration and proceed with cleaning.
- Pull the case out. Open the lid and then pull out holding the right and left hand sides (Fig. 1).
- Pull the case out all the way. Pull out by holding and lifting the edge of the case upwards (Fig. 2).

Fig. 1



Fig. 2



5. Door Racks

The door racks may be used to store all those little items that seem to get in the way. If you put all the small items in one place, you'll find that there's more space inside the refrigerator for larger items.

Free Pocket with Egg Tray

- Many eggs may be stored in the free pocket (Fig. 1).
- If you turn half the egg tray over, small items may be stored together with the eggs (Fig. 2).
- You can even turn the whole egg tray over and store small items in the free pocket instead of eggs (Fig. 3).

Fig. 1

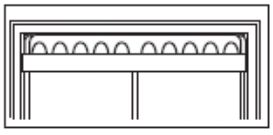


Fig. 2

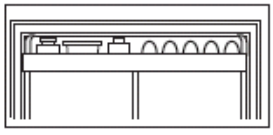
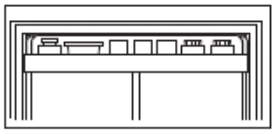
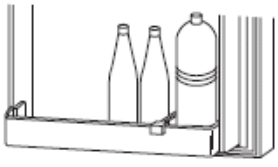


Fig. 3



Bottle Pocket

- Even large bottles may be stored in this pocket.



Some types of commercial water cooler bottles may touch the shelf or foodstuffs when placed in the door pocket, preventing the door from closing firmly.

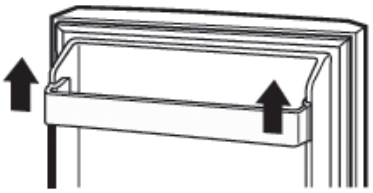
6. How to Remove the Pockets

- Remove the door racks as shown in the illustration in order to proceed with cleaning.
- This pocket may be removed by pushing it gently upwards.

FREEZER POCKET



FREE POCKET



BOTTLE POCKET

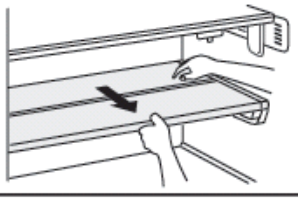


7. Flexible glass shelf

- **To store large or tall items**

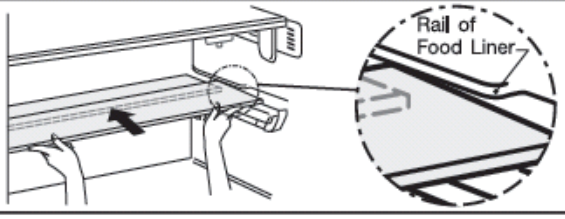
① Remove all food items from the Flexible Shelf.

② Press down the Rear Shelf then pull the Front Shelf out, then the Front Shelf can be separated from the Rear Shelf. (If you have difficulty pulling the Front Shelf out, please press on the edge of the Rear Shelf and pull the edge of the Front Shelf out, then the Front Shelf can be easily pulled out.)



③ Put the Front shelf on the top of Rear Shelf. (Caution : The Front Shelf shall be under the rail of the Food Liner.)

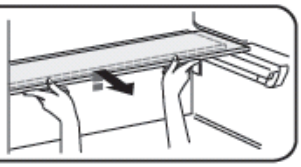
④ Push the Front Shelf back to the rear, this creates more space for food storage.



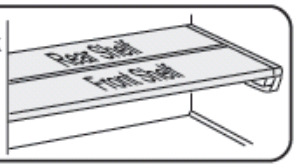
- **To store small items**

① Remove all food items from the Flexible Shelf.

② Raise the front of the Front Shelf up slightly, then pull out forward.

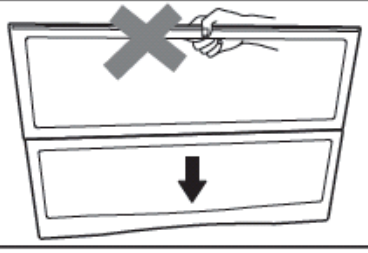


③ Push the Front Shelf back until it reaches Back Shelf, then push to make assembly with Rear Shelf.



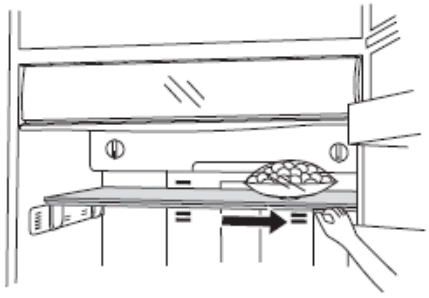
CAUTION

CAUTION : Each Flexible Glass Shelf is made up of 2 pieces, always hold both Back Shelf and Front Shelf together, NEVER vertically as in diagram, this could cause injury if one piece drops off.

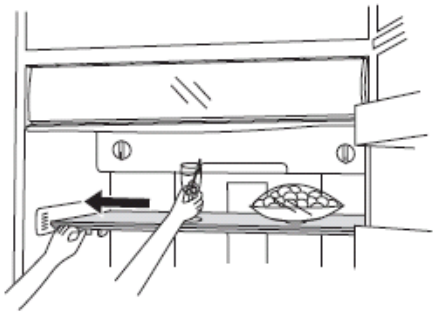


8. Elevating shelf

- Move the lever on the front of the shelf left or right to adjust the shelf to the desired position.



Move the lever to the right to raise the shelf.



Move the lever to the left to lower the shelf.

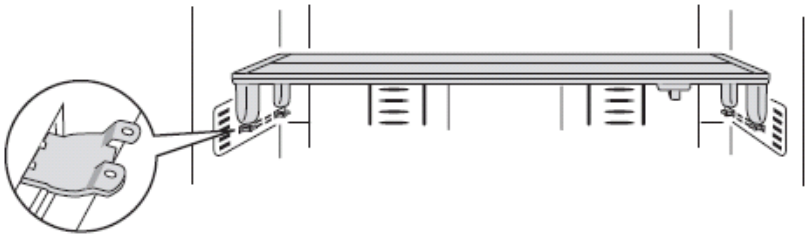
- The lever will be difficult to move when heavy items are placed on the shelf.
- When the elevating shelf is lowered, one of the shelf supports may come off if the shelf contacts any foods under the shelf. This is to prevent damaging the food. If one of the supports comes off, push it back into position from above.

Installation

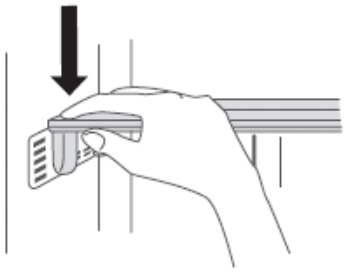
① Make sure that the lever is moved completely to the right.



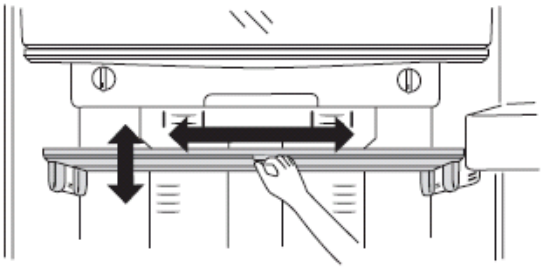
② Make sure that the 4 metal stoppers are securely fitted into the refrigerator, then lightly set the shelf into the refrigerator and align the 4 supports with the 4 stoppers.



③ Push each of the 4 supports, one at a time, downward from above. (When the internal hooks catch onto the refrigerator, a "click" sound will be heard.)



④ Finally, move the lever to the left and right and check that the shelf moves up and down while remaining level. (If the shelf does not remain level, the 4 hooks are not securely caught onto the refrigerator. Remove the shelf and repeat steps 1 to 4 .)



5. Maintenance

When performing maintenance, make absolutely sure that the power plug is first disconnected from the power outlet.

- Dip a soft cloth into cold or lukewarm water, wring it out well and wipe.
- If you do not clean the door gasket (especially the lower part) when it is dirty, the gasket will easily become damaged. Therefore, keep it clean at all times.
- Do not clean with cleanser, acids, benzine, thinner, boiling water, soap powder, chemical cloths or neutral detergent. These will damage the paint finish and external surfaces of your refrigerator.

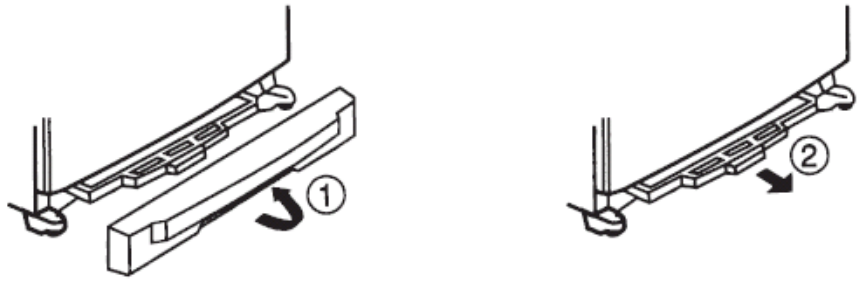
CAUTION
Do not apply water directly onto the refrigerator.
This may result in malfunction, power leakage or fire.



- The drain pan becomes dirty very easily and if not cleaned regularly, produces bad odours. Get into the habit of cleaning this pan regularly.

1. How to Remove the Drain Pan

① Hold the toe grille at the center, then lift it up.
② Gradually pull out the drain pan by using right and left hand.



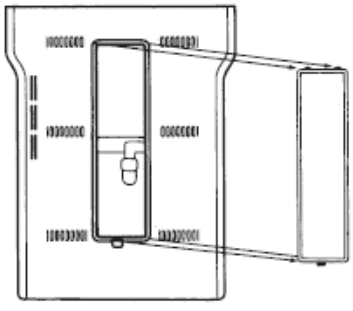
2. How to Replace the Room Light

Important: Unplug the power cord. Failure to do so may cause electric shock.

Refrigerator

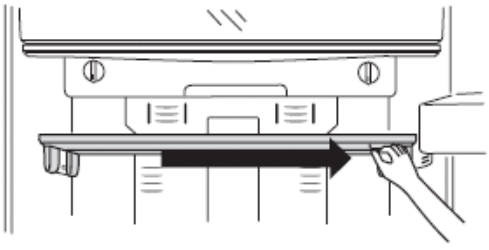
- Push the convex lock (lower side of room light cover), pull the cover forward and then remove. Purchase a 240V/15W (capE-12) room light.

Refrigerator

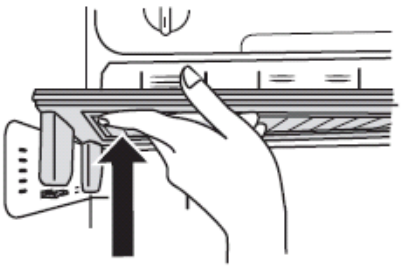


3. How to remove the elevating shelf

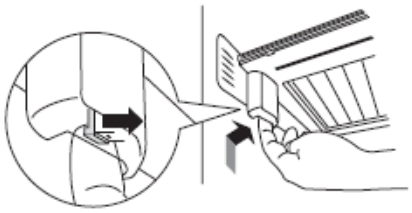
① Move the lever completely to the right.



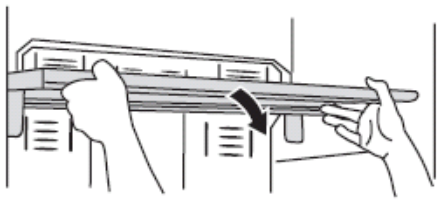
② Push up each support, one at a time, with a strong effort. (4 supports) (When the internal hooks are released from the refrigerator, a "click" sound will be heard.)



If the supports are not released easily, push the internal hooks inward.

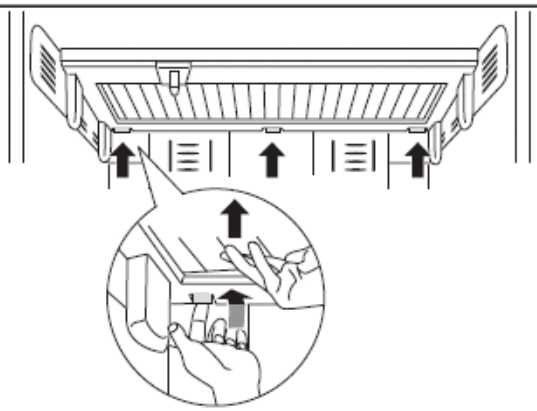


③ After the 4 supports are released, pull out the shelf.



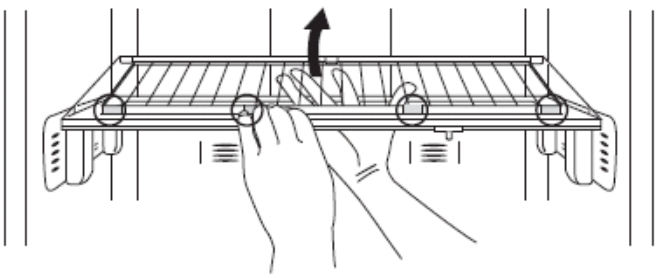
4. How to remove the tray

① Push the tray upward while pulling forward the hooks (3) at the back of the shelf with your finger.

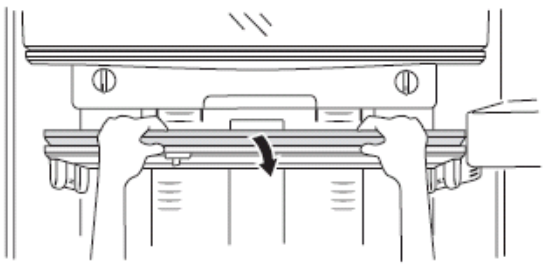


② Lift up the back of the tray until the front hooks (4) are released.

* Lift up the tray slowly, otherwise it may fall.



③ Remove the tray with both hands.



- Disassembling or applying grease to the elevating shelf can cause it to malfunction.

6. Safety Advice

The suggestions below apply to the operation of your home electric refrigerator.
Mitsubishi Electric Corporation recommends these safety precautions.

- If your old refrigerator is still in your house but not in use, be sure to remove the door(s). This will ensure that children will not get trapped inside.
- Never unplug your refrigerator by pulling on the cord. Always take hold of the plug firmly and pull it straight out of the socket.
- Do not operate your refrigerator in the presence of explosive fumes.
- Fizzy drinks should not be frozen.
- Avoid immediate consumption of ice lollies and other similar frozen food items.
- If the power cord is damaged, call our Mitsubishi Service Center for a replacement in order to avoid a safety hazard.
- Keep ventilation openings in the appliance enclosure and the built-in structure clear of obstruction.
- Do not use mechanical devices or other means to accelerate the defrosting process.
- Do not use electrical appliances inside the food storage compartments of the refrigerator unless they are recommended by the manufacturer.
- This appliance is not intended for use by young children or infirm persons unless they have been adequately supervised by a responsible person to ensure that they can use the appliance safely.
- Young children should be supervised to ensure that they do not play with the appliance.
- This refrigerator uses flammable foaming gas for insulation.
- Please deliver the unit to a specialized industrial recycler / dealer for disposal.
- Please follow applicable disposal regulations in your country.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

7. Troubleshooting

When the refrigerator fails to operate

- Check for a power failure.
- Check if the power cord is plugged into the power outlet.
- Check that the fuse (or circuit-breaker) has not blown.

When the refrigerator is cooling excessively

- The temperature control dial may be set too high.
- If you place foodstuffs containing a lot of moisture directly under the cool air outlets, they will freeze easily. This does not indicate a malfunction.

When you hear a sound similar to flowing water

- The sound of flowing water is the flow of refrigerant (cooling gas). This does not indicate a malfunction.

When noise is produced by the fan grill of the refrigerator

- The noise produced by the fan grill will stop at a certain fixed temperature. The airflow cooling system inside the refrigerator is powered by the operation of the fan motor and fan grill.

When noise is produced while the refrigerator door is open

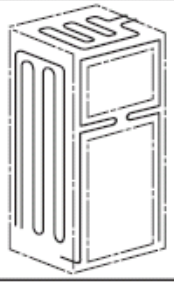
- When you open a door panel, plastic components switch swiftly between hot and cold, and this may produce noise. When the door is closed, the noise will remain until the difference in temperature is reduced.

When the refrigerator is not cooling sufficiently

- The food may be packed too tightly together, which blocks the flow of cool air.
- You may have put hot or too many items into the refrigerator.
- The door may not have been closed properly.
- The door gasket may be damaged.
- The refrigerator may not be well-ventilated.
- There may be insufficient clearance between the refrigerator and the surfaces immediately beside and above.
- The temperature control dial may not be properly set.

When the front of the refrigerator cabinet heats up

- In order to safeguard against condensation, there is an anti-condensation pipe which heats up the front of the cabinet when actuated. When the front of the cabinet is warm, this does not indicate a malfunction. The more often the door is opened and closed, the more often the anti-condensation pipe is actuated. It is also actuated immediately after the refrigerator has been installed. In other words, the front of the cabinet often heats up.



MR-508E, MR-560E
MR-508EL, MR-560EL

When condensation forms on the exterior of the refrigerator

- Condensation may form on the exterior when humidity is high, such as during the wet season. This is comparable to condensation forming on the outside of a glass when chilled water is poured in; therefore, it does not indicate a failure. Wipe dry with a dry cloth.

When the power plug is disconnected and reconnected, and the compressor ceases to rotate

- When the power plug is disconnected from the power outlet and then immediately plugged in again, the compressor may not restart. Therefore, when unplugging the refrigerator, always wait at least 10 minutes before plugging it in again. If the compressor ceases to rotate completely, keep the refrigerator unplugged and wait at least 10 minutes before plugging it in again.

When the side panel of the cabinet heats up

- The side panel of the cabinet will heat up when the door is opened and closed frequently, when installing the unit and when the unit operates in summer in high temperatures. In such cases, do not touch the panel. This heat buildup is due to the dissipation of heat absorbed from inside the cabinet over the whole of the side panel and does not indicate something wrong with the unit.

CAUTION

1. This appliance is designed for use in ambient temperature listed below.

MODEL NAME	AMBIENT TEMPERATURE RANGE	CLIMATIC CLASS
MR-508E/EL, 560E/EL-A	16 °C ~ 43 °C	T
MR-508E/EL, 560E/EL-NZ	16 °C ~ 43 °C	T

The internal temperatures could be affected by such factors as the location of the refrigerating appliance, ambient temperature and the frequency of door opening, and, if appropriate, a warning that the setting of any temperature control device might have to be varied to allow for these factors.

2. A rise in temperature of the frozen food during manual defrosting, maintenance or cleaning could shorten the storage life.
3. Food to be frozen is not to be placed in direct contact with food in storage and, if appropriate, that it could be necessary to reduce the quantity to be frozen if freezing every day is anticipated.
4. The electrical power failure for 1-2 hour will only slightly effect the inside temperature. However, open & close of the door results in the temperature loss. In case there is more than 24 hours electrical power failure, the food should be taken out from the fridge.
5. In case you are leaving or there is no food in the fridge for more than 3 weeks, The fridge should be unplugged and cleaned.

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